

## Magic Home WiFi LED Smart Controller

# Magic Home WiFi LED Smart Controller User Manual

Model: DC 12V 24V WiFi Wireless LED Smart Controller

## 1. PRODUCT OVERVIEW

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The Magic Home WiFi LED Smart Controller is designed to provide intelligent control over your RGB LED strip lights. It offers versatile control options including a 24-key IR remote, a dedicated mobile application, and voice control compatibility with popular smart home assistants like Amazon Alexa and Google Assistant. This controller allows for dynamic lighting effects, color changes, dimming, and synchronization with music or camera input.

### Package Contents

- 1 x LED Controller with Receiver
- 1 x 24-Key IR Remote Control



Image 1.1: The Magic Home WiFi LED Smart Controller and its included 24-key IR remote control.

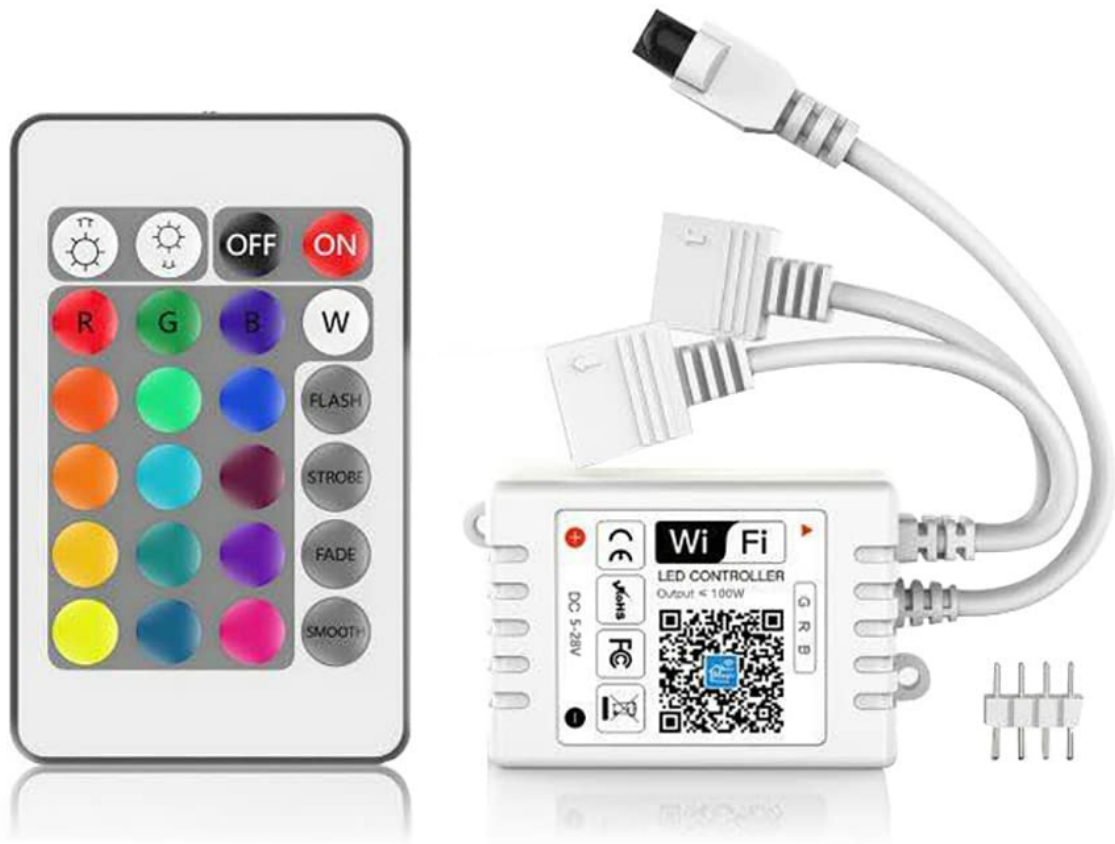
## 2. SETUP GUIDE

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### 2.1 Connecting the Controller

Ensure your LED strip lights are compatible with DC 5-28V input. Connect the LED strip to the controller's output port(s) and then connect the controller to a suitable DC 5-28V power supply. The controller supports a maximum output of 6A (2A per channel for 3 channels) and power up to 72W at 12V or 100W at 24V.

# RGB IR Controller



## Dual Output Port

Image 2.1: The LED controller features dual output ports for connecting LED strip lights.

### 2.2 Remote Control Battery Installation

The 24-key IR remote control does not include batteries. To install, locate the battery compartment on the back of the remote. Insert a CR2025 or CR2032 3V lithium button cell battery, ensuring correct polarity. Close the battery compartment securely.



Image 2.2: Steps for installing the 3V lithium battery into the remote control.

## 2.3 App Installation and Pairing

Download the "Magic Home" application from your mobile device's app store. The app is compatible with iOS version 9.0 or above and Android version 4.0 or above. Ensure your smartphone is connected to a 2.4GHz Wi-Fi network (5.0GHz networks are not supported). Follow the in-app instructions to pair the controller with your Wi-Fi network and mobile device. The control distance is up to 60 meters (visible distance).

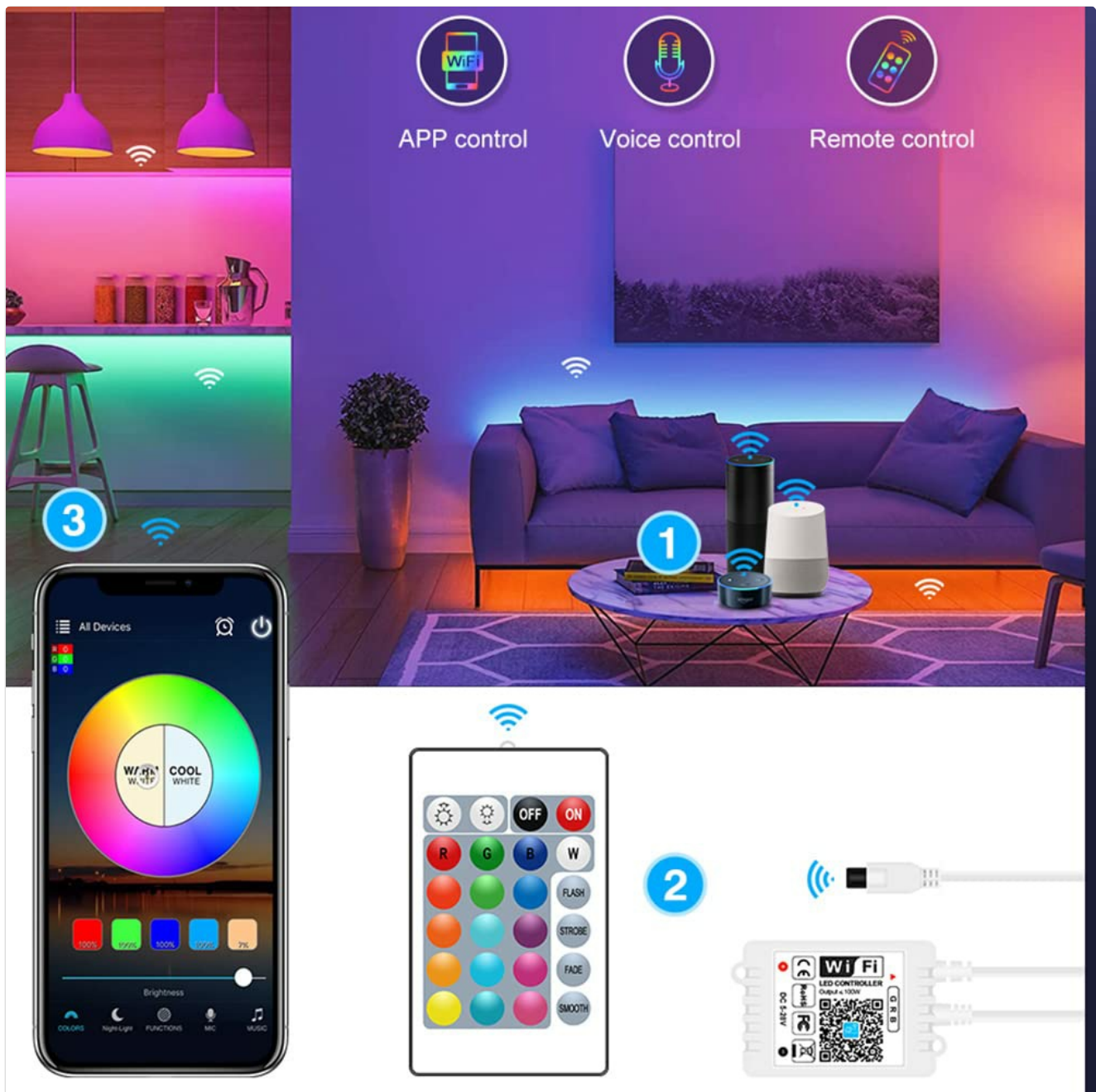


Image 2.3: The Magic Home app provides comprehensive control, alongside voice and remote options.

### 3. OPERATING INSTRUCTIONS

#### 3.1 Using the Remote Control

The included 24-key IR remote control allows for basic functions:

- **ON/OFF:** Power the lights on or off.
- **R, G, B, W:** Directly select Red, Green, Blue, or White colors.
- **Color Selection Buttons:** Choose from 16 preset colors.
- **Brightness +/-:** Adjust the brightness level.
- **FLASH, STROBE, FADE, SMOOTH:** Select different lighting modes.



Image 3.1: Detailed layout and functions of the 24-key wireless remote control.

### 3.2 Using the Mobile App

The Magic Home app provides advanced control features:

- **Color Wheel:** Select any color from a full spectrum.
- **Brightness/Saturation:** Fine-tune light intensity and color vibrancy.
- **Music Sync:** (Note: Smart Life version may not have this function) Synchronize light effects with your favorite music.
- **Camera Function:** The RGB tape can change colors based on colors captured by your smartphone's camera.
- **Timer Function:** Schedule lights to turn on/off at specific times.
- **Custom Modes:** Create and save personalized lighting scenes.

### 3.3 Voice Control (Alexa & Google Assistant)

Once paired with your smart home assistant, you can control your LED strip lights using voice commands. Examples include:

- "Alexa, turn on the LED strip."
- "Hey Google, set the LED strip to blue."
- "Alexa, dim the LED strip to 50 percent."
- "Hey Google, turn off the LED strip."

The controller is also compatible with IFTTT, allowing for custom automation based on various events.

## 4. MAINTENANCE

To ensure optimal performance and longevity of your Magic Home WiFi LED Smart Controller, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the controller and remote with a dry, soft cloth. Do not use liquid cleaners or abrasive

materials.

- **Environment:** Keep the controller in a dry environment. It is not water resistant and should not be exposed to moisture or extreme temperatures.
- **Power:** Disconnect power before performing any maintenance or making connections.
- **Storage:** If storing for an extended period, remove batteries from the remote control.

## 5. TROUBLESHOOTING

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### Common Issues and Solutions

- **Lights not turning on:**
  - Check all power connections to the controller and LED strip.
  - Ensure the power supply voltage matches the controller's input requirements (DC 5-28V).
  - Verify the remote control battery is installed correctly and has sufficient charge.
- **Remote control not responding:**
  - Ensure there are no obstructions between the remote and the controller's IR receiver.
  - Replace the remote control battery (CR2025/CR2032 3V).
- **App cannot connect to the controller:**
  - Confirm your Wi-Fi network is 2.4GHz. The controller does not support 5.0GHz Wi-Fi.
  - Ensure your mobile device is connected to the same 2.4GHz Wi-Fi network.
  - Restart the controller by unplugging and re-plugging its power.
  - Try resetting the controller (refer to app instructions for specific reset procedures).
  - Ensure the "Magic Home" app is updated to the latest version.
- **Colors are incorrect or inconsistent:**
  - Check the connection between the LED strip and the controller to ensure all pins are properly aligned.
  - If using a new LED strip, ensure it is an RGB type compatible with the controller.

## 6. SPECIFICATIONS

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Product Name	Magic Home WiFi LED Smart Controller
Model	DC 12V 24V WiFi Wireless LED Smart Controller
Input Power	DC 5-28V
Output	6A (2A x 3 Channels)
Max Power	72W (12V) / 100W (24V)
Remote Type	24-Key IR Remote
APP Name	Magic Home
APP Compatibility	iOS 9.0+ / Android 4.0+
Connectivity	Wi-Fi (2.4GHz only)
Control Method	Remote, Mobile App, Voice (Alexa, Google Assistant)
Control Distance	60M (visible distance)
Water Resistance	Not Water Resistant







Item Weight	1.13 ounces
Package Dimensions	4.41 x 3.5 x 1.14 inches

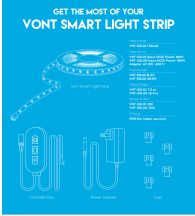
## 7. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the seller's policy or contact the point of purchase. Keep your purchase receipt as proof of purchase.

### Related Documents - Magic Home WiFi LED Smart Controller

	<p><a href="#">Smart WiFi RGB+WW+CW Controller User Manual</a></p> <p>This manual provides detailed instructions for the Smart WiFi RGB+WW+CW controller, covering product parameters, connection modes, app installation for iOS and Android, integration with Google Assistant and Amazon Alexa, and various functions like color control, music synchronization, and timers.</p>
	<p><a href="#">AGPTEK LEDGTA Smart WiFi LED Strip Light Welcome Guide</a></p> <p>Welcome Guide for the AGPTEK LEDGTA Smart WiFi LED Strip Light. This document provides essential information on product parameters, connection modes, app installation, remote control features, and integration with smart assistants.</p>
	<p><a href="#">HEYMULTY Smart Wi-Fi Power Strip - Model 22.6853.10 User Manual</a></p> <p>Comprehensive guide for the ISNATCH HEYMULTY Smart Wi-Fi Power Strip (Model 22.6853.10). Learn about setup, functions, app control, and technical specifications.</p>
	<p><a href="#">ROBUS Connect: Smart Home Lighting System - Control, Automation &amp; Benefits</a></p> <p>Discover ROBUS Connect, a cloud-based smart home lighting system offering Wi-Fi control, automation, scheduling, and integration with Alexa and Google Assistant. Explore Vegas Connect, Ultimium Connect, and upcoming products.</p>





#### INSTALL YOUR VONT SMART LIGHT STRIP

1. Connect the light strip to the power source and turn on the power.
2. Peel off the adhesive backing and stick the light strip to the surface.
3. Turn on the light strip and adjust the brightness using the remote control.
4. If you want to cut the light strip, use the scissors to cut it at the marked points.
5. If you want to connect the light strip to a power source, use the power adapter.

#### DOWNLOAD VONT HOME APP

Get the Vont Home App on the App Store or Google Play. It will help you control the light strip and set the schedule.



1. Scan the QR code with your smartphone.
2. Download the Vont Home App.
3. Create a new account or log in with an existing account.

1. Connect the light strip to the power source.
2. Open the Vont Home App and select the light strip.
3. Follow the instructions in the app to connect the light strip.

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#### CONNECT WITH AMAZON ALEXA

1. Connect the light strip to the power source.
2. Open the Vont Home App and select the light strip.
3. Follow the instructions in the app to connect the light strip.

#### CONNECT WITH GOOGLE ASSISTANT

1. Connect the light strip to the power source.
2. Open the Vont Home App and select the light strip.
3. Follow the instructions in the app to connect the light strip.

#### CONNECT WITH IFTTT

1. Connect the light strip to the power source.
2. Open the Vont Home App and select the light strip.
3. Follow the instructions in the app to connect the light strip.



#### VONT SMART LIGHT STRIP ABCS

1. Connect the light strip to the power source.
2. Open the Vont Home App and select the light strip.
3. Follow the instructions in the app to connect the light strip.

#### CONTROL BOX

1. Connect the light strip to the power source.
2. Open the Vont Home App and select the light strip.
3. Follow the instructions in the app to connect the light strip.

#### Things to remember

1. Connect the light strip to the power source.
2. Open the Vont Home App and select the light strip.
3. Follow the instructions in the app to connect the light strip.



### [Vont Smart Light Strip User Guide and Setup](#)

Comprehensive guide to installing, setting up, and connecting your Vont Smart Light Strip (models VNT-SSL01, VNT-SSL02) with smart home assistants like Amazon Alexa and Google Assistant, and IFTTT.

### [HY08 Series WiFi Touch Screen Heating Thermostat User Manual](#)

Comprehensive user manual for the HY08 series WiFi Touch Screen Heating Thermostat, detailing product specifications, operation instructions, advanced settings, programming modes, wiring diagrams, installation cautions, and warranty information. Features include Wi-Fi connectivity, touch screen interface, and weekly programmability for efficient home heating control.